HAMATEUR CHATTER

The Milwaukee Radio Amateurs' Club, Inc.

The World's Oldest Continuously Active Radio Amateur Club

For Information on HAM RADIO or Our Club - CALL 466-HAMS

75 YEARS of Continuous Club Activity!

W9RH CLUB CALL

JAN - 1994

THE NEXT MRAC MEETING

Date: **Thursday - JANUARY 27, 1993**

Time: **7:30 P.M.**

Place: **Wauwatosa Savings and Loan at 75th and State in Wauwatosa**

Program: **ARRL video on SAREX , a goodies auction, and door prizes.**

February Meeting: **Thursday - February 27, 1994**

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FROM THE PRESIDENT'S DESK

(=)

This year we can celebrate. It is our 75th anniversary of our charter with ARRL and our Club activity is growing. Take a look:

- VEC ran a test at Swapfest on January 8.
- The repeater group is making a lot of exciting plans.
- We had an eighteen station check-in on Friday January 7, on our 2 meter net at 147.045 + offset.
- Our school will start on March 2.
- The Field Day group is starting to make plans for 1994.
- The Breakfast Club is going on each Saturday.
- We are making plans for an August special event station at the train station in Cedarburg.
- The new roster will be completed by February.
- We have programs for our monthly Club meeting in the cookie jar.
- We will have a W9RH ham demo, on January 29, at Longfellow School in Wauwatosa.

I challenge you to get radioactive this year! So, get off your butt and help make 1994 a GREAT YEAR for the Club. It can be fun, but only if everyone helps out.

HAPPY NEW YEAR!

73

Ed

CLUB OFFICERS:

President:	W9PWG
Ed Wille	461-5961
1st VP:	W9VQD
Travis Baird	352-9642
2nd VP:	W9UVV
Roger Zaun	242-4931
Secretary:	W9NZF
Fred Linn	377-3280
Treasurer:	KA9ONQ
Orv Stewart	527-2663
Board Chairman	WA9RDI
Ted Stiller	871-7486
Directors:	
Paul Boese	KB9FBM 466-0697
Pancho Doneis	KA9OFA 344-4694
Tom Fuszard	KF9PU 321-5845
Bill Jones	KF9FA 781-4565
Catherine Kedney	KA9MWT 774-2114
Jack Krause	W9JK 774-6999
Joe Rayome	KE9LL 463-7668

Editor
Pancho Doneis KA9OFA 344-4694

Circulation/Roster
Jerry Thompson ... WA9SFH 354-6943

Use Our
W9RH Repeater
147.045 MHz + offset

MILWAUKEE AREA NET INFORMATION

DAY	TIME	MHZ	ACTIVITY
DAILY	6-8 AM	14.290	Wisconsin/Florida Net (SSB)
SUN	8:00 PM	28.365	10-10 International (Milwaukee Ch.) (SSB)
SUN	8:00 PM	146.910	Information Net
SUN	8:30AM	3.985	QCWA - (Chptr. 55) (SSB)
SUN	9:00 PM	146.910	Swap Net
SUN	10:00 AM	443.800	FM-38 Link to 146.88 Baraboo SWAP Net
MON-FRI	8:30 AM	3.965	After Breakfast Club (SSB)
MON	8:00 PM	146.445	Emergency Net
MON	9:00 PM	146.670	ARES Net (Milwaukee-Waukesha)
MON	9:00 PM	50.160	6 Mtr. General Net
TUE	7:00 PM	442.200	General Racine N9OEZ rep.General
TUE	8:00 PM	7.035	A.F.A.R. Net (CW)
TUE	9:00 PM	145.130	MAARS Roundtable
WED	8:00 PM	28.365	10-10 International (Milwaukee Ch.) (SSB)
THU	9:00 PM	50.160	6 Mtr. General Interest Net
THU	9:00 PM	146.910	Computer Net
FRI	8:45 PM	28.400	W9RH 10 meter MRAC Station Net(SSB)
FRI		147.045	W9RH 2 mtr net following the 10 mtr net
SAT	9:00 PM	146.910	Saturday Nite Fun Net

The 2 meter frequencies are -600 khz offset FM repeaters. FM38 is +5 Mhz offset, tone 114.8 The 10 meter frequencies are upper sideband (USB). If there are additions, changes, or corrections to this list, please contact: Pancho KA9OFA. 344-4694.

EDITOR'S NOTES

Well, here we are again! Another nice brisk January and I'm wondering if any of you have made any New Years resolutions concerning Ham Radio?

There are quite a few that we could make: become more proficient in International Morse code, make out that inventory of Ham equipment, straighten out the Ham shack, get some of your old Ham stuff ready to sell at the next Ham swapfest learn some more electronics theory, upgrade that Ham license, put up that special antenna, become an Elmer for someone who maybe trying to get a license or upgrade, put a special power connector in the car for Ham gear, write that article for Hamateur Chatter, donate a Ham Radio book to the library, track down that TVI or RFI that 's making things miserable, make a donation to the Repeater Fund, become active in one of the many facets of Ham radio or the Club repeater, or the Club itself.

I made one resolution, but it also includes one other: namely I want to upgrade to General class license and that ONLY involves upgrading my code proficiency. I say only. I've ONLY been trying to upgrade my speed since I was in High School. and I haven't been successful because I've let other things get in the way. My resolution has been set aside for other things, which at the time seemed more important, but I find that some of them were just excuses.

I do have friends who are legal on other HF bands besides 10 meters whom I would like very much to legally to talk to on the air and I do have most ofthe equipment that I require. So,you see I do have some incentive to upgrade. I just find it easier to make excuses.

This year I will again try to get that General ticket and I know full well that I will have lapses in the learning (or speed) curve.. I do hope there will be fewer excuses this year. Nevertheless, one of these years I WILL SUCCEED.

73's

Pancho - KA9OFA

FCC HAM RADIO EXAMS

Wednesday Exams

All Grades MRAC VEC *

Third Wed. of each month at 6:30 pm

Village at Manor Park (was Methodis Manor)

3023 S. 84th St.

Milwaukee, WI

Walk-ins are welcome, but preregistration is requested if possible. To register in advance, send a post card on which you have printed the grade of license for which you are applying, your name, address and telephone number to:

c/o Jack Krause-W9JK
1737 N. 116th St.
Wauwatosa, WI 53226

or

c/o Les Peterson - W9YCV
9741 W. Howard
Greenfield, WI 53228

For more information call:

466-HAMS

Saturday Exams *

Last Saturday of Each Month

at 8:30 am

at Wauwatosa S&L

7500 W. State St. Wauwatosa

SWAT TEAM Exams *

2nd SAT of each month

at 1:00 pm

Wauwatosa S&L

6560 S. 27th ST.

Oak Creek, WI

Enter the north end of the building, downstairs and follow the signs.

DEC ...11

For more info call:
KB9QL - Norman McNew (414) 764-5998
or AA9DO - Joe Mettry (414)761-9219.

* Bring your license (if any) and 2 copies also the same for CSCE's you may have. Originals will be returned to you.

$5.00 charge for exams for ALL classes of license.

REPEATER NEWS
MRAC – W9RH
by WB9LNU

Every month there will be a section in Hamateur Chatter devoted to repeater news and to new system features. At present, the repeater is located at a site in northwest Milwaukee. This location was selected as a means to get on the air with a sufficient antenna height to permit satisfactory coverage and to allow the Technical committee an opportunity to do the needed construction and maintenance of the equipment without extra travel, climbing a tower of a rooftop and putting up with all of the security headaches, every time a change was necessary.

At present, we are running approximately 200 watts ERP, with the antenna at 55' AGL (above ground level). Please use the system as much as possible, as this helps us evaluate the system, locate system bugs, and to replace needed parts and/or circuitry.

At this time, the system command operators are W9PWG & WB9LNU. The control operators are Fred - W9NZF and Roger - W9UVV.All user codes and system features are being determined by the engineering and service group (as above). As they are established, we will publish them in future "Chatters".

At present, we are working on an organization chart, to permit the completion of job descriptions, areas of responsibilities, and financial controls. The results of these activities will be submitted to the Board of Directors for approval or revision, prior to publication.

Please observe all amenities, and be careful to identify all transmissions. Your committee welcomes all suggestions, contributions, and constructive criticisms in regard to the operation of the facility. With your co-operation, we can establish a worthwhile repeater to serve the Milwaukee area and the operation of MRAC.

USER FEATURES

These are the user features that are available at present:

User Features	Keys
Touch Tone Pad Test	7
Bulletin Board #1	37
Bulletin Board #2	38

Please remember to
Identify Before Using
any of these features.

BECOME INVOLVED!

OUR CLUB (AND REPEATER)
NEED ACTIVITY!

To help stimulate use of our repeater members, both new and old timers, our Club will sponsor a W9RH repeater Friendship Award Certificate.

The certificate is for working W9RH Club members on our new repeater. To get a certificate you must work 20 Club members and submit a log of your contacts to our Club award chairman, soon to be named. There will be proficiency clusters with colored ribbons that can be added to your certificate for 40, 60, 80 and 100 contacts.

This certificate will be available to all hams. It is our hope that non club members will find this to be fun as well.

Log sheets and award rules will be printed in our next Hamateur Chatter. However, this award is available immediately, so start your own log today. Exchange calls, date approximate location and names. Be friendly and have fun.

73's Jim

Jim - WB9LNU

REPEATER ORGANIZATION

MILWAUKEE RADIO AMATEURS CLUB ADMINISTRATION & CONTROL of W9RH REPEATER

1. Repeater Organization Chart
2. Chain of command
   A. The entire repeater organization reports to the Board of Directors.
   B. The Repeater Fund is under the supervision of the Treasurer, and reports to the Board through his office.
   C. The Hamateur Chatter editor reports to the Board, and receives timely information from the Repeater Chairman.
   D. The Technical staff reports directly to the Board, for technical advice, for request of funds for the repeater maintenance and modification, and to advise the Board on matters pertaining to the operation of the equipment.
   E. The Repeater Chairman supervises two staff groups, who manage the day-to-day operations of the equipment. They plan activities, prepare communications for transfer to the Hamateur Chatter, and confer awards.
   F. Job descriptions of the operating groups outline the duties and responsibilities of each of the three functions.

JOB DESCRIPTION
COMMITTEE CHAIRMAN

1. The Committee Chairman shall provide direction for the activities group and the Site Committee.
2. He shall provide supervision to ensure that all news generated by the groups under his control, is delivered to the Hamateur Chatter Editor in timely fashion, and will work with him to establish final formats, and content.
3. He shall obtain approval from the Board of Directors for his groups' activities to ascertain that they are feasible, and financially practicable.
4. He shall provide repeater command operators with appropriate message content for bulletin board activities, and shall authorize special codes for publication, prior to issuance.
5. He shall have an engaging personality, and exercise tact in handling personnel and committee matters.

JOB DESCRIPTION
SITE COMMITTEE

The site committee shall operate under the direction of the committee chairman. It will have the following responsibilities:

1. Locate a permanent site which meets the minimum guidelines, within the geographic criteria, and within cost limits imposed by the Repeater Chairman.
2. Location criteria shall be as follows:
   A. Heated enclosure for housing equipment is highly desirable.
   B. Antenna-transmitter spacing, 50' or less.
   C. 20 amp. AC power line available, with access to protection in case of power interruption. If electrically heated, this will have to be increased.
   D. Telephone line availability (Future)
   E. Ready access for service personnel for repair and/or maintenance.
   F. If a building, roof space for at least 2 antennas. Direct mountings to roof surfaces are to be avoided. In all instances, seek side mounted antennas.
   G. Permanent location shall avoid close proximity to other repeaters or base systems near 147 MHz.
   H. Adequate security means to prevent equipment damage due to weather, fire, theft, or vandalism.
   I. The antenna supporting structure shall be located on reasonably high ground, and shall be minimally screened or obstructed by man-made or natural objects.
3. The Board of Directors shall be notified of any satisfactory site prior to making any permanent commitments, or granting guarantees, warranties, or bonds. (This is serious, as repair of roof damage can become prohibitive).

JOB DESCRIPTION
ACTIVITY GROUP

The Activity Group shall be under the direction of the Committee chairman, and shall be responsible for the following:

1. The Group shall establish and operate a 2 meter net, complete with a group of net controls.
2. It shall establish several programs of interest to the membership, i.e., 2 meter fox hunt on the repeater frequency, SSTV, Packet, RTTY, etc.
3. Generate other activities of interest to Club members as well as non-club members.
4. Establish and operate "Ways & Means" activities to replenish the Repeater Fund, i.e., Auctions, Hamfests, etc.
5. Establish a special program for hams just getting started in Ham Radio (A contest to work other members?).
6. Assume responsibility for the contents of 2 repeater bulletin boards, the programming of which is done by the system command operators only.

JOB DESCRIPTION

REPEATER DESIGN ENGINEERING AND TECHNICAL STAFF

1. The staff shall consist of 5 persons:
   a. Command Operators (2)
   b. Control Operators (3)
2. This group is responsible for system design, including all remote links, construction and features. It will set forth all link designs and will present construction cost estimates to the Board for approval, prior to start of building and/or purchase.
3. All system service will be performed and provided by the group. The group shall have direct access to the repeater fund to cover required service parts, up to $75.00 or less.
4. The group shall conduct training sessions for Control Operators, present and future.
5. All codes including control operators', and users' will be specified by the Technical Staff. The Staff sill also specify which system features will be available.
6. The technical staff will provide news updates to control operators, and to the committee chairman.
7. All programming of messages and pending ID's will be accomplished by this group. Since programming of the voice synthesizer requires knowledge of the access codes, this information cannot be widely disseminated. Contents for the messages may be determined by the Activity Group.
8. All command and control codes must be kept secret, to prevent loss of control of the repeater.

JOB DESCRIPTION

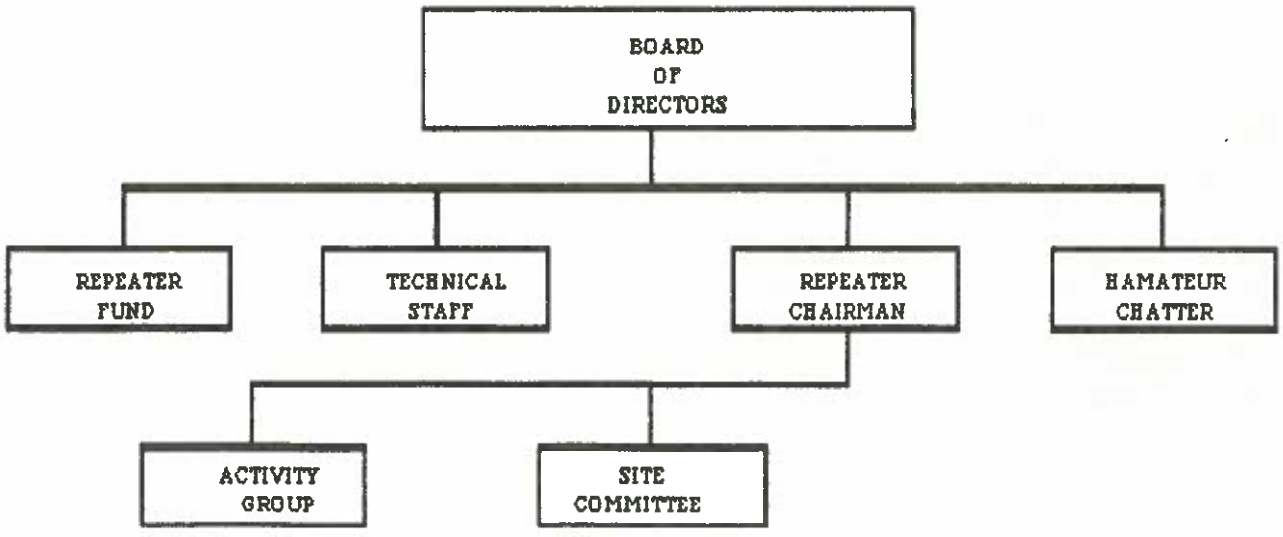
CONTROL OPERATORS

1. The group shall be limited to 3 qualified persons.
   a. Members of the MRAC.
   b. Holders of bona fide amateur licensesc.
   c. Shall be appointed by the President, to serve at the pleasure of the Board of Directors.
2. The group comprises 3 control operators at present. Expansion of the system in the future, may require additions to this group.
3. The group is charged with the following responsibilitie:
   a. Compilation of the latest FCC regulations concerning repeater operation.
   b. Monitor daily repeater use, and help users understand system features.
   c. Promote ethical conduct in the use of the repeater and to help users in times of difficulty.
   d. Take an active part in welcoming new members to the repeater, and to encourage nonmembers to join MRAC.
4. The group has complete control of the repeater and its facilities, and at all times will preserve the secrecy of system control codes.
5. Keep the Board of Directors informed with timely reports on the repeater operations, and co-ordinate any required expenditures with the President and the Treasurer.

SPECIAL THANKS

Special thanks to WB9LNU for creating these descriptions and W9NZF, W9PWG, and W9PWG for their expert help to get them in their final form.

MDILWAUKEE RADIO AMATEURS' CLUB
W9RB - REPEATER ORGANIZATION - JANUARY 1994



A GOOD TELEGRAPHER

by Fred Linn - W9NZF

The amazing skill of professional telegraphers has become a lost art. Recent depiction of telegraphy in various TV and movie presentations is laughable and an insult to the old "lightning slinger". The old telegrapher's speed and accuracy is seldom matched today, in manual operations.

In the "old days", the syndicate room of a large newspaper was a cacophony of clattering sounders, and if we looked for the fastest op, it was the Phillips Code man. Immediately, you lose any semblance of pride in your own ability! This man had never even heard of 20 wpm.... he talked of sustained speeds of 3000 words per hour! daily pace was 60 wpm for hours at a stretch. In addition, he added all punctuation marks, he capitalized and made paragraph indentations, he numbered each sheet, with proper page and serial no., and his copy was neat as a printed page in a newspaper. His memory was so clear that he copied behind (20-30 words), and kept the story in his head while editing it...he has not said "BK" for a year. He has not said OK at the end of each dispatch, it was unnecessary! Hard work, just watching him.

In Going on to the Western Union Station, we also notice a definite absence of "BK" and "RPT". The operator is busy copying messages of less length then those on the Phillips wire. He changes blanks more often, he writes more preambles, he tears off carbon copies from each delivery, and "spikes" it for his files, No hurry! He is not snowed under, and the sender doesn't ask him if he's being received. His Morse is good..he leans on the bug, and his "sound" is not like Jap Code either! We also notice that the receiving op is always a few words behind.

On to the "static room"...receivers decorate the room on all sides, and knobs, dials, and wire are everywhere. These ops are radio men. One such op, hands us a pair of earphones, and says--London, typing furiously to catch up. While listening carefully to the cans, we can't make out 1 words in 10.....but wait, this man is making solid copy at 40 wpm thru static, (at several words behind, yet)!

At another table, a man sits in front of a short wave receiver, copying slowly, with difficulty. "Bum signal" he says! We listen to the cans and can't even hear a signal-still he copies!

This type of communication requires DEDICATION and practice. Serious study requires constant practice on weak signals, thru QRN, at speed just above our ability. The code oscillator is OK for learners, but to LEARN to copy on the air, we need much more. Sometime tune in to 40 meters, anywhere between 7.0 and 7.05 MHz. Listen to the CW at 40-60 wpm.... it may be coming from a keyboard, but it's good practice, but you have to build up to it...6 mo.'s maybe, but after you do, CW will be a revelation.

MAILING LABELS!

Take time to examine the mailing label on your Hamateur Chatter. It should look like this:

KA9OFA .P/93 J6/85
ARMIN F. DONEIS JR.
1958 N. 38TH ST.
MILWAUKEE, WI 53208

Check it over carefully! Make sure that it's correct.
Also check out the ".P" and "J" designations. The "J" designation indicates when you joined MRAC.
The ".P" designation indicates the year through which your dues are paid. If the ".P" designation does not say 94 then you are delinquent in paying your dues and are in jeapardy of loosing your membership in the Club and also you will not receive Hamateur Chatter next month or any future Club mailings.

Club Meetings

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West Allis Radio Amateur Club
Meets the second Tuesday of each month
at 8:00 p.m.
At St. Peter's Episcopal Church
7929 W. Lincoln Ave.
West Allis, WI

Miller Valley Radio Amateur Club
Tuesday evenings at 6:30 p.m.
at 703 N. 39th St.,
just north of and almost under
the former Wis. Ave. viaduct.
For info contact: Art - WA9AWJ
(found daily on the 145.13 repeater).

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CLUB ACTIVITIES

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W9RH– TEN METER NET

Come on up and join us on **W9RH**
Ten Meter Net on **Friday evenings at**
9:00 PMat approximately 28.4 MHZ.
We'd like to meet you there.

CQ Third Tuesday
11:00 am
Skanda House
Hwy 100 & Oklahoma

Y'all come! to the
MRAC **HAM BREAKFAST**
every Saturday morning
at 8:30 o'clock.
Maxim's Restaurant
9143 W. Appleton Ave.
(corner of 91st St.
and Appleton Ave.
near Timmerman Field)
Prices are reasonable, the food - good,
and the **company - excellent.**

Friday Evening CQ Food
First Friday of the month Fishfry
Quality Inn
Hwy 100 and Bluemound

2nd Friday
Serb Hall at 51st and Oklahoma
Call: Warren - K9IZV
on th 146.91 - offset
for reservations by Noon on that FRI.
Other Fridays
Check in 5:00 pm
Decision & finalization at 6:00pm
and meet at
CQ Food destination at 7:00pm
Other CQ Foods on a random basis
also called on this repeater
"CQ Food" on WA9JDB 146.91 Repeater.

NEWS CONTRIBUTIONS

Articles and information for the newsletter should be received by the editor **no later than the first of the month of publication**. If received after the first of the month, its **inclusion** in that month's edition **cannot be guaranteed**. Your cooperation is appreciated.

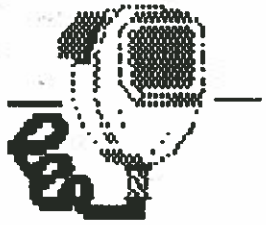
Please mail submissions to:

Hamateur Chatter
c/o **Pancho Doneis, KA9OFA**
1958 N. 38th St.
Milwaukee, WI 53208

You may also call me at:
344-4694.

Thanks to our news contributors this month:

WB9LNU W9NZF W9UVV
W9PWG



MILWAUKEE RADIO AMATEUR'S CLUB, INC.

Please PRINT

1994 MEMBERSHIP APPLICATION New ☐ Renewal ☐

Your CALL_____ CLASS Licencse _____ Lic.EXPIRES: Date_____

NAME _____ Phone _____

ADDRESS_____

CITY_____ ST____ ZIP_____

TYPE of MEMBERSHIP Regular $15.00 _____
(CHECK ONE)
Life * * MINIMUM $10.00_____
* * IF LIFE MEMBER WANTS HAMCHATTER --------
.....But - $15 WOULD BE APPRECIATED

MAKE CHECK PAYABLE TO MRAC or MILWAUKEE RADIO AMATEURS' CLUB
MAIL TO ; MRAC - PO BOX 25707 - MILWAUKEE ,WI 53225 Attention TREASURER

DO NOT USE THIS SPACE
FOR MRAC OFFICE USE

Ck#_____ AMT_____
DEP.DATE _____
Ledger Entry_____
Mail List Entered _____

1994 Dues
are due by Jan.31/94
SO DUE IT TODAY !

mrac
MILWAUKEE
RADIO AMATEURS' CLUB

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* * * * UPCOMING EVENTS * * * *

* Signifies VE Testing

Wheaton Community Radio Amateurs Hamfest-'94 *
SUN - JAN 30, 1994
Odeum Exposition Center
Wheaton IL

1994 TMRA Hamfest/Computer Fair
SUN - MAR 20, 1994
Lucas County Recreational Center
Maumee, Ohio
T/I on 147.27 - rptr

Lamarsfest 1994 *
SUN MAR 17, 1994
Lake County Fairgrounds
Grayslake, IL
T/I 146.52 simp or 147.345 + Rptr

Madison Swapfest & Computer Fair
SUN - APR 10, 1994
Dane County Expo Center
Madison, WI
T/I on 147.15 + Rptr

Rockford Hamfest *
SUN - APR 17, 1994
Rockford, IL
Metro Center
T/I on 146.61 - Rptr

De Kalb Hamfest
SUN - MAY 1, 1994
Sandwich, IL
T/I 146.52 simp. or 146.73 - offset Rptr.

G.M.R.S. - May Fest
SUN - MAY 22, 1994
Du Page County Fairgrounds
Wheaton, IL
T/I on 146.52 direct or 462.6, 467.6 PL 173.8

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